United States Department of Agriculture
Agricultural Marketing Service
Science & Technology
Monitoring Programs Office
8609 Sudley Rd., Ste. 206
Manassas, VA 20110

November 13, 2002

TO: See Distribution List

FROM: Martha N. Lamont, Director
Monitoring Programs Office

SUBJECT: Semi-Annual Program Plan (January – June 2003) – Pesticide Data Program

This Program Plan serves as the current Statement of Work for the period January 2003 through June 2003 for each of the States participating in the Pesticide Data Program (PDP). This document also stipulates work assignments for the Federal facilities participating in PDP. The contents of the Plan have been discussed with the U.S. Environmental Protection Agency (EPA) and USDA's Office of Pest Management Policy (OPMP) staff.

I. ADMINISTRATIVE UPDATES

A. 2001 Summary Status: The 2001 PDP Annual Summary is being drafted and should be ready for Department review November 2002.

B. Personnel: Program participants are reminded to keep PDP management informed of any critical personnel vacancies, staffing issues, or expected increases in rent (due to laboratory or office renovation/relocation, etc.). This information is very important for financial management, workload assignments, and to monitor potential backlogs.

C. USDA-EPA PDP Planning Meeting: The Monitoring Programs Office (MPO) held a planning meeting on September 25, 2002, with EPA Health Effects Division (HED) representatives to discuss PDP commodities and analytes to be included during 2003.

D. Technical/Quality Assurance (QA) Meeting: A meeting for PDP Technical Program Managers and Quality Assurance Officers will be held during April/May 2003. Topics to be discussed include ISO 17025 accreditation; quality assurance (QA) report formats and submission; validation data tracking and reporting; quantitation of residues; limit of detection checks; and marker pesticide grouping and acceptability criteria.

E. QA Committee: Current members of the QA Committee are Alfredo Fontanilla (Presiding Member, Washington), David Houpt (Texas), and Gail Parker (Florida).

F. January through June 2003 Proficiency Evaluation (PE) Program: Listed below is the PE program schedule for January through June 2003 for fresh and processed fruit and vegetables, grain, animal products, and drinking water.

PE SET NO.	SHIPMENT DATE[1]	PROVIDER	COMMODITY	LABORATORY
100	January 2003	CDFA	Mushrooms	CA1, NY1
101	February 2003	AOAC	TBD[2]	CA1, FL1, FL2, MI1, NY1, OH1, TX1, WA1
102	March 2003	CDFA	Peas[3]	FL1
103	April 2003	CDFA	Butter	US2
104	April 2003	Ultra Scientific	Water	CA1, CO1, NY1
105	May 2003	CDFA	Wheat flour	US3
106	June 2003	AOAC	TBD	CA1, FL1, FL2, MI1, NY1, OH1, TX1, WA1

For samples provided by the California Department of Food and Agriculture (CDFA) Quality Assurance Unit (QAU), please provide analytical methods and any special requirements for sample preparation (e.g., silinization of glassware) to Terry Jackson. These samples are subject to compounds specified in the applicable PDP-QC-13 addenda. Shipment is generally scheduled for the second Tuesday of the month and the CDFA QAU will pre-notify affected laboratories. Please remember to report results to the Monitoring Programs Office (MPO) concurrently with the CDFA QAU.

General multi-residue method (MRM) samples will be supplied by AOAC International in February and June 2003. Four samples and a matrix blank are supplied for each set. Analytical levels are generally greater than 0.15 ppm. Laboratories not currently analyzing compounds tested by AOAC will not be held responsible for these compounds. Please report results concurrently to AOAC and MPO.

For drinking water, Ultra Scientific will provide proficiency samples based on common analytical profiles and detection limits. For each check sample set, the vendor will supply the laboratory's QAU with a custom gas chromatography (GC) mix and a custom liquid chromatography (LC) mix. The QAU will make dilutions per PDP instructions and fortify one liter of unfiltered tap water with the GC dilution and one liter with the LC dilution. The spiked samples will then be presented to the laboratory staff for analysis. Results should be reported directly to PDP, Manassas. MPO will compile a report of proficiency test results.

[1] Target shipment date for all providers is the second Tuesday of the month
[2] To be determined
[3] Frozen

G. Standard Operating Procedures (SOPs):

New and Revised SOPs Released October 1, 2002

PDP-LABOP-03, Sample Preparation for Fresh Fruit and Vegetable, Grain, and Processed Commodities, Revision 11
PDP-QC-07, Demonstration of Method Performance, Revision 3
PDP-QC-13, Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings, Revision 9
PDP-QC-13AE, Commodity Specific Requirements for Pears, Revision 1
PDP-QC-13AF, Commodity Specific Requirements for Spinach, Revision 1
PDP-QC-13AH, Commodity Specific Requirements for Cucumbers, Original
PDP-QC-13AI, Commodity Specific Requirements for Peppers, Original

New and Revised SOPs to be Released January 1, 2003

PDP SAMP-PROC-5, Collection, Packaging and Shipping of Delicate Fresh Fruit and Vegetables, Revision 2
PDP-QC-13, Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings, Revision 10
PDP-QC-13C, Commodity Specific Requirements for Green Beans, Revision 2[4]
PDP-QC-13S, Commodity Specific Requirements for Tomatoes, Revision 1[4]
PDP-QC-13T, Commodity Specific Requirements for Sweet Corn, Revision 3
PDP-QC-13Y, Commodity Specific Requirements for Peaches, Revision 1[4]
PDP-QC-13AB-CO, Specific Requirements for Colorado Finished Drinking Water, Original
PDP-QC-13AE, Commodity Specific Requirements for Pears, Revision 2
PDP-QC-13AG, Commodity Specific Requirements for Wheat, Original
PDP-QC-13AJ, Commodity Specific Requirements for Sweet Potatoes, Original[4]
PDP-QC-13AK, Commodity Specific Requirements for Butter, Original
PDP-QC-14, Quality Assurance/Quality Control for Finished Drinking Water, Revision 2
Glossary, (Rev. 4 01/01/03)

New and Revised SOPs to be Released April 1, 2003

PDP-QC-13AB-CA, Specific Requirements for California Finished Drinking Water, Revision 3
PDP-QC-13AB-NY, Specific Requirements for New York Finished Drinking Water, Revision 3

H: Electronic Transfer of Data

Current Remote Data Entry (RDE) software: All PDP laboratory facilities are using the PDP RDE software to perform data entry and/or electronic transmission of sampling, analysis, and QA data. The most recent RDE system upgrade (to Version 2.13) was delivered in December 2001. The upgrade was required to provide a new data entry field for unit counting. At the request of EPA, laboratories need to count the number of items in each sample for non-clustered, fresh commodities (apples,

[4] Drafts expanded to include all current registrations.

cucumbers, sweet bell peppers, sweet potatoes, peaches, pears, onions, and tomatoes) and enter the count into RDE. The current RDE system should be used to enter data for all samples collected in 2002. The reengineered RDE system should be used to enter data for all samples collected after January 1, 2003.

RDE Reengineering Project: Client Network Services, Inc. (CNSI) completed the development phase for the RDE reengineering project in October 2002. The RDE system was reengineered in order to ensure compatibility with new operating systems, to include provisions for shared resources with the Microbiological Data Program (MDP), and to employ new technology for capturing and transferring electronic data. The reengineered RDE system is a centralized system, where all RDE database files and support software will reside in Washington, D.C. and laboratory users will require only an Internet web browser on the front-end. This architecture will eliminate the need for modems, dedicated phone lines, and long distance calls for data transmittal. A 20-day pilot is being conducted from October 28, 2002 to November 22, 2002, to allow MPO and laboratory users to test the RDE system in a real-time environment. A stand-alone SIF data entry system for laptop/desktop computers and for PDAs (Pocket PCs) was developed to allow the capture of SIF data electronically by sample collectors. The SIF data entry system can also be used by laboratories to perform data entry of paper SIF information off-line and then import it into the central RDE system. The reengineered RDE system is expected to become operational in December 2002. The reengineered RDE system should be used to enter data for all samples collected after January 1, 2003.

I. Cooperative Agreements: The FY'03 Cooperative agreements are being drafted. We are still under Continuing Resolution. State allocations will be discussed when the budget has been signed by the President.

II. PROGRAM SAMPLING AND TESTING UPDATES

A. Sampling Changes and Rotations: (See attached Draft 1st and 2nd Quarter 2003 Shipping Charts)

Sampling Deletions

Apple juice collection will end *December 31, 2002.*

Applesauce collection will end *December 31, 2002*.

Banana collection will end *December 31, 2002*.

Broccoli collection will end *December 31, 2002.*

Celery collection will end *December 31, 2002.*

Sampling Additions

Apples will begin *January 1, 2003.* All samples will be sent to the Washington laboratory (WA1). A commodity fact sheet will be distributed to ensure that sample collection, packaging, and shipping are performed in a uniform manner.

Green beans (canned) will begin *January 1, 2003*. With the exception of samples from California and Maryland, all samples will be sent to the Florida (Winter Haven) laboratory (FL2). Samples collected in California and Maryland will be sent to the California laboratory (CA1). A commodity fact sheet will be distributed to ensure that sample collection, packaging, and shipping are performed in a uniform manner.

Peaches (canned) will begin *January 1, 2003.* During the first quarter of the year, split samples will be shipped to Ohio (OH1) and New York (NY1). For the second quarter of 2003 (April-June), canned peaches will be shipped to Ohio (OH1) only.

Fresh peaches will replace canned peaches for New York (NY1) *May 1, 2003.* A commodity fact sheet will be distributed to ensure that sample collection, packaging, and shipping are performed in a uniform manner.

Sweet potatoes will begin *January 1, 2003*. With the exception of samples from California and Maryland, all samples will be sent to the Michigan laboratory (MI1). Samples collected in California and Maryland will be sent to the California laboratory (CA1). A commodity fact sheet will be distributed to ensure that sample collection, packaging, and shipping are performed in a uniform manner.

Tomatoes will begin *January 1, 2003*. All samples will be sent to the Ohio laboratory (OH1). A commodity fact sheet will be distributed to ensure that sample collection, packaging, and shipping are performed in a uniform manner.

Wheat flour will begin *January 1, 2003.* All samples will be sent to the USDA, GIPSA laboratory (US3), Kansas City, Missouri. A commodity fact sheet will be distributed to ensure that sample collection, packaging, and shipping are performed in a uniform manner.

Butter will begin *January 1, 2003.* All samples will be sent to the AMS National Science Laboratory (US2), Gastonia, North Carolina. A commodity fact sheet will be distributed to ensure that sample collection, packaging, and shipping are performed in a uniform manner.

Sampling Continuations

Asparagus, sweet corn, cucumbers, mushrooms, onions, peas, peppers, spinach, and barley continue.

Pear juice sampling continues through December 2003. Samples are collected by pear juice concentrate producers and shipped to the California laboratory (CA1) for analysis. Sampling goal is 8 domestic and 8 imported samples per month. USDA contractor Thermapak provides sampling support services.

Finished drinking water sampling will continue through December 2003. Samples from 5 sites in Texas, Kansas, and Colorado are collected weekly and sent to the Colorado laboratory (CO1) for analysis. Twice a month, samples are collected from 11 sites each in New York and California and sent to the New York (NY1) and California (CA1) laboratories, respectively. Samples will continue to be collected by participating water facility personnel. USDA contractor Great Lakes Environmental Center (GLEC) will continue to provide sampling support service.

B. Testing Deletions and Changes:

Testing Deletions

Apple juice will be removed *December 31, 2002*. This ended multi-residue testing of apple juice under SOP PDP-QC-13M by Ohio (OH1).

Applesauce will be removed *December 31, 2002*. This ended multi-residue testing of applesauce under SOP PDP-QC-13M by Ohio (OH1).

Bananas will be removed *December 31, 2002*. This ended multi-residue testing of bananas under SOP PDP-QC-13V by California (CA1) and Washington (WA1).

Broccoli will be removed *December 31, 2002*. This ended multi-residue testing of broccoli under SOP PDP-QC-13N by California (CA1) and Florida (Winter Haven, FL2).

Celery will be removed *December 31, 2002*. This ended multi-residue testing of celery under SOP PDP-QC-13U by California (CA1) and Michigan (MI1).

Testing Additions

Sampling for triazole testing is scheduled to begin *January 1, 2003*, for apples, peaches, and wheat flour. Testing will be implemented by the Washington (WA1 – apples), New York (NY1 – peaches), and GIPSA (US3 – wheat flour) laboratories. At the time of preparation of this Program Plan, the analytical method for target triazoles and metabolites is still under development by the EPA Analytical Chemistry Branch (ACB). Once the method is completed and handed over to the triazole laboratories, each laboratory will need to modify and validate the method for their specific assigned commodity. It is expected that testing will be delayed until the method can be appropriately modified and validated by each applicable PDP laboratory.

Triazoles in apples will begin *January 1, 2003*. Triazole testing for all samples will be performed by the Washington laboratory (WA1). Target triazole compounds and metabolites are listed in the preliminary method provided by ACB.

Triazoles in canned peaches will begin *January 1, 2003* and continue through *March 31, 2003*. Triazole testing for all samples will be performed by the New York laboratory (NY1). Fresh peaches will be tested *May 1, 2003* through *September 30, 2003*, and be replaced by canned peaches during the fourth quarter. Target triazole compounds and metabolites are listed in the preliminary method provided by ACB.

Wheat flour will begin *January 1, 2003*. **Multi-residue/triazole** testing for all samples will be performed by the USDA, GIPSA laboratory (US3), Kansas City, Missouri. A draft testing profile, SOP PDP-QC-13AG, has been issued to the laboratory. Please contact the PDP Technical Director with any necessary changes to the testing profile.

Green beans (canned) will begin *January 1, 2003*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Florida (Winter Haven) laboratory (FL2). Samples from California and Maryland will be tested by the California laboratory (CA1). Commodity specific requirements are listed in SOP PDP-QC-13C. Draft requirements have been expanded to include all current registered uses for green beans. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Peaches (canned) will begin *January 1, 2003.* Multi-residue testing for all samples will be performed by the Ohio laboratory (OH1). Commodity specific requirements for multi-residue testing are listed in SOP PDP-QC-13Y. Draft requirements for multi-residue testing have been expanded to include all current registered uses for peaches. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Sweet potatoes will begin *January 1, 2003*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Michigan laboratory (MI1). Samples from California and Maryland will be tested by the California laboratory (CA1). Commodity specific requirements are listed in SOP PDP-QC-13AJ. Draft requirements have been expanded to include all current registered uses for sweet potatoes. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Tomatoes will begin *January 1, 2003*. Multi-residue testing for all samples will be performed by the Ohio laboratory (OH1). Commodity specific requirements are listed in SOP PDP-QC-13S. Draft requirements have been expanded to include all current registered uses for tomatoes. Please contact the PDP Technical Director with any necessary changes to this testing profile.

Butter analysis will begin *January 1, 2003.* Multi-residue testing for all samples will be performed by the AMS National Science Laboratory (US2), Gastonia, North Carolina. A draft testing profile, SOP PDP-QC-13AK, has been issued to the laboratory. Please contact the PDP Technical Director with any necessary changes to the testing profile.

Multi-Residue Testing Continuations

Asparagus, sweet corn, cucumbers, mushrooms, onions, pear juice, peas, peppers, spinach, and barley continue.

Finished drinking water analyses will continue at the New York (NY1), California (CA1), and Colorado (CO1) laboratories.

C. Web Site for PDP Information:

For Pesticide Data Program information check out our Internet Web Site:

http://www.ams.usda.gov/science/pdp/

Attachments

DISTRIBUTION LIST:

CDPR	Scott Paulsen Terry Schmer
CDFA	William Cusick Nirmal Saini Tiffany Tu Terry Jackson
Colorado	Don Gallegos Charlie Hagburg Eric Petty Dan Hurlbut
Florida	J.D. Warren Pat Beckett Joanne Cook Gail Parker Amy Sinelli
Florida – WH	Tony Trama
Maryland	Warren Bontoyan Robert Hopkins
Michigan	Steve Reh Michelle Bogner Kevin Worden Sydney Turkovich Dennis Ross Brian Regan
New York	Jack Maxstadt Roger Pollman Frances Gross Richard Lewis
Ohio	Phillip Engler Abul Anisuzzaman Mohammed Amin Terri Gerhardt
Texas	Phil Tham Patrick Bizzell David Houpt, Jr. Andy Feild Shawn Davis
Washington	Mary Toohey Royal Schoen Arlene Dunkin Alfredo Fontanilla
Wisconsin	Steve Steinhoff Mike Barnett Byron Dennison
AMS/EL	Michael Legendre Roger Simonds Charles Lay
GIPSA	Steve Tanner Tim Norden Joseph Barney Sharon Lathrop
S&T	Robert Epstein Alan Post
NASS	Phil Kott
OPMP	Allen Jennings
EPA	Ed Zager David Hrdy David Miller